

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1 **Claim 1 (previously presented):** A moving picture data
2 producing apparatus for generating outputted moving picture
3 data derived from inputted uncompressed moving picture data,
4 said apparatus comprising:
5 input means for inputting said uncompressed moving
6 picture data;
7 moving picture coding means including quantization
8 means for generating compressed moving picture data from
9 said uncompressed moving picture data;
10 rate correction data producing means for producing rate
11 correction data based on an output of said moving picture
12 coding means, said rate correction data including
13 information about said compressed moving picture data;
14 compression frame data means for adding said rate
15 correction data to said compressed moving picture data to
16 generate compression frame data; and
17 output means for outputting said compression frame data
18 to a moving picture coding apparatus, wherein said moving
19 picture coding apparatus is used to change the bit rate of
20 said compressed moving picture data by utilizing said rate

21 correction data and a desired bit rate input to said moving
22 picture coding apparatus.

1 **Claim 2 (currently amended):** The moving picture data
2 producing apparatus according to Claim 1, wherein said rate
3 correction data producing means creates rate correction data
4 which enables rate changing by said moving picture coding
5 apparatus by conducting a quantization for an area having
6 high bit rate in motion picture frames, while using a
7 quantization value which is different from the value used
8 when producing the compressed moving picture data.

1 **Claim 3 (currently amended):** The moving picture data
2 producing apparatus according to Claim 1, wherein said rate
3 correction data producing means creates rate correction data
4 which enables bit rate changing by said moving picture
5 coding apparatus by conducting a different quantization for
6 the area in a P frame of the compressed moving picture data
7 having a low probability of being referred to in a motion
8 prediction operation.

1 **Claim 4 (currently amended):** The moving picture data
2 producing apparatus according to any one of Claims 1 to 3,
3 wherein said moving picture coding means further includes:

4 means for recording reference inhibition area
5 information about an area not to be referred to for motion
6 compensation, wherein the area information is included in
7 the rate correction data for each frame of the moving
8 picture data; and

9 motion compensation means for conducting motion
10 compensation without referring to the area not to be
11 referred to in conducting motion prediction for a next
12 frame.

1 **Claim 5 (currently amended):** The moving picture data
2 producing apparatus according to Claim 1, wherein said
3 moving picture coding means includes motion compensation
4 means for conducting motion compensation and outputting
5 referenced area information referred to at a time of motion
6 estimation; wherein

7 said rate correction data producing means uses the
8 referenced area information to create said rate correction
9 data which enables rate changing by said moving picture
10 coding apparatus by conducting a quantization for an area a
11 low probability of being referred to in conducting motion
12 prediction for the next frame, while using quantization
13 value which is different from the value used when producing
14 the compressed moving picture data.

1 **Claim 6 (currently amended):** The moving picture data
2 producing apparatus according to Claim 1, wherein said rate
3 correction data producing means deletes high frequency
4 components from said input uncompressed moving picture data
5 in advance, and then produces said rate correction data
6 which enables rate changing by said moving picture coding
7 apparatus by conducting a quantization using a quantization
8 value equivalent to the value used when producing the
9 compressed moving picture data.

1 **Claim 7 (currently amended):** The moving picture data
2 producing apparatus according to Claim 1, wherein said rate
3 correction data producing means determines position
4 information identifying a position at which rear portions of
5 bits in packets of said compressed motion picture data are
6 identified for later deletion by the moving picture coding
7 apparatus with respect to an area structured by a continuous
8 arbitrary number of macro-blocks and wherein the rate
9 correction data producing means produces the rate correction
10 data including the position information.

1 **Claim 8 (currently amended):** The moving picture data
2 producing apparatus according to Claim 1, wherein said rate
3 correction data producing means produces rate correction

4 data which enables the bit rate changing by said moving
5 picture coding apparatus by creating an I-frame as well as
6 P-frame with respect to the motion picture frames generated
7 as P-frame by said compression means.

1 **Claim 9 (previously presented):** A moving picture data
2 producing apparatus to which uncompressed moving picture
3 data is input, comprising:

4 input means for inputting said uncompressed moving
5 picture data;

6 moving picture coding means including quantization
7 means for generating compressed moving picture data from
8 said uncompressed moving picture data;

9 rate correction data producing means for producing rate
10 correction data;

11 compression frame data means for adding said rate correction
12 data to said compressed moving picture data to generate
13 compression frame data; and

14 output means for outputting said compression frame data
15 to a moving picture coding apparatus, wherein said moving
16 picture coding apparatus is used to change the bit rate of
17 said compressed moving picture data by utilizing said rate
18 correction data and a desired bit rate input to said moving
19 picture coding apparatus, wherein

20 said rate correction data producing means includes a
21 quarry-out area deciding means which decides an area of said
22 compression frame data which is able to be partially
23 quarried out, by said moving picture coding apparatus, from
24 a frame of said compressed moving picture data, and wherein
25 said rate correction data producing means creates said
26 rate correction data for identifying the quarry out area
27 thus decided.

1 **Claim 10 (currently amended):** The moving picture data
2 producing apparatus according to Claim 9, wherein the rate
3 correction data producing means produces the rate correction
4 data which enables rate changing by said moving picture
5 coding apparatus for at least one or more areas within said
6 quarry out area.

Claim 11 (canceled)

1 **Claim 12 (previously presented):** A moving picture
2 coding apparatus comprising:

3 input means for inputting compression frame data output
4 from a data producing apparatus, said compression frame data
5 including compressed moving picture data, and rate
6 correction data having information about the compressed

7 moving picture data, said input means also for inputting a
8 desired bit rate;

9 rate correction data extraction means for extracting
10 said information about the compressed moving picture data
11 from said rate correction data of said compression frame
12 data; and

13 rate correction means for generating modified
14 compressed moving picture data by changing the bit rate of
15 said compressed moving picture data to the desired bit rate
16 utilizing said information about the compressed moving
17 picture data, wherein the bit rate is changed without
18 decoding all of said inputted compressed moving picture
19 data; and

20 output means for outputting said modified compressed
21 moving picture data for transmission to a user.

Claim 13 (canceled)

1 **Claim 14 (currently amended) :** The moving picture coding
2 producing apparatus according to Claim 12, wherein said rate
3 correction data includes bit deletion data identifying bits
4 in said compressed moving picture data which are identified
5 for possible deletion, and further wherein said bit rate
6 correction means uses said bit deletion data to delete some

7 number of said bits from said compressed moving picture data
8 to output modified compressed moving picture data at the
9 desired bit rate.

Claims 15-20 (canceled)

1 **Claim 21 (currently amended):** A system for changing the
2 bit rate of compressed moving picture data, said system
3 comprising:

4 a moving picture data producing apparatus including:
5 rate correction data producing means for producing
6 rate correction data including information about said
7 compressed moving picture data, wherein said rate
8 correction data includes bit deletion data identifying
9 bits in said compressed moving picture data for
10 possible deletion,

11 compression frame data means for adding said rate
12 correction data to said compressed moving picture data
13 to generate compression frame data, and

14 output means for outputting said compression frame
15 data;

16 and

17 a moving picture coding apparatus separate from said
18 moving picture data producing apparatus, said coding
19 apparatus including:

20 input means for inputting said compression frame
21 data output from said data producing apparatus, said
22 input means also for inputting a desired bit rate,
23 bit rate correction means for generating modified
24 compressed moving picture data by using said
25 information in said rate correction data for changing
26 the bit rate of said compressed moving picture data to
27 the desired bit rate, wherein said bit rate correction
28 means uses said bit deletion data to delete some number
29 of said bits from said compressed moving picture data
30 to generate said modified compressed moving picture
31 data at the desired bit rate, and

32 output means for outputting said modified
33 compressed moving picture data for transmission to a
34 user.

1 **Claim 22 (canceled).**

1 **Claim 23 (currently amended):** The system for changing
2 the bit rate of compressed moving picture data of claim 21,
3 wherein said bit rate is changed by said moving picture

4 coding apparatus, based on said rate correction data,
5 without decoding all of said ~~inputted~~ compressed moving
6 picture data.

1 **Claim 24 (currently amended):** A system for changing the
2 bit rate of compressed moving picture data, said system
3 comprising:

4 a moving picture data producing apparatus including:
5 input means for inputting uncompressed moving
6 picture data,

7 moving picture coding means for generating
8 compressed moving picture data from said uncompressed
9 moving picture data,

10 rate correction data producing means for producing
11 rate correction data based on an output of said moving
12 picture coding means, said rate correction data
13 including information about said compressed moving
14 picture data,

15 compression frame data means for adding said rate
16 correction data to said compressed moving picture data
17 to generate compression frame data, and

18 output means for outputting said compression frame
19 data; and

20 a moving picture coding apparatus including:

21 input means for inputting said compression frame
22 data output from said data producing apparatus, said
23 input means also for inputting a desired bit rate,
24 rate correction data extraction means for
25 extracting said information about the compressed moving
26 picture data from said rate correction data of said
27 compression frame data,
28 rate correction means for generating modified
29 compressed moving picture data by changing the bit rate
30 of said compressed moving picture data to the desired
31 bit rate by utilizing said information about the
32 compressed moving picture data, and
33 output means for outputting said modified
34 compressed moving picture data for transmission to a
35 user;
36 wherein the bit rate is changed by said moving picture
37 coding apparatus without decoding the compressed moving
38 picture data of said compression frame data.

1 **Claim 25 (currently amended):** The system for changing
2 the bit rate of compressed moving picture data of claim 24,
3 wherein said rate correction data includes bit deletion data
4 identifying bits in said compressed moving picture data for
5 possible deletion, and further wherein said bit rate

6 correction means uses said bit deletion data to delete some
7 number of said bits from said compressed moving picture data
8 to generate said modified compressed moving picture data at
9 the desired bit rate.